

GARAPA

Apuleia leiocarpa





Harvested In:
South America

Family:
FABACEAE CAESALPINIOIDEAE
(angiosperm)

WOOD DESCRIPTION

Color:	<i>Golden yellow</i>
Sapwood:	<i>Clearly Demarcated</i>
Texture:	<i>Medium uniform</i>
Grain:	<i>Straight or Interlocked</i>

CHARACTERISTICS

- Easy to work
- Moderately durable
- Resistant to termites

COMMON USES

- Outdoor decking
- Porch flooring
- Docks
- Fencing
- Stairs (interior/exterior)
- Siding (exterior)
- Copperage
- Boat building

AVAILABILITY

- Select & Better
- S4S, E4E, Grooved
- Various dimensions

PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	<i>lbs/bf</i>	Fiber Saturation Point:	<i>22%</i>
Specific Gravity:	<i>0.79</i>	Crushing Strength:	<i>9,137 lbf</i>
Janka Hardness (lbs):	<i>1,650</i>	Static Bending Strength:	<i>16,824 lbf</i>
Volumetric Shrinkage:	<i>11.4%</i>	Modulus of Elasticity:	<i>2,303,199 lbf</i>
Total Tangential Shrinkage (TS):	<i>7.5%</i>	Stability:	<i>Moderate</i>
Total Radial Shrinkage (RS):	<i>4.2%</i>		
TS/RS Ratio:	<i>1.8</i>		

WORKING PROPERTIES

Blunting Effect:	<i>High</i>	Slicing:	<i>Not recommended</i>
Sawteeth Recommended:	<i>Stellite-tipped</i>	Nailing / screwing:	<i>Pre-boring necessary</i>
Cutting Tools:	<i>Tungsten carbide</i>	Gluing:	<i>Good</i>
Peeling:	<i>Not recommended</i>		

Note: Slicing is very difficult due to the high silica content. In machining, due to the irregular interlocked grain, it is recommended to reduce the feed rate and the cutting angle.

